

03-29-01

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PTO/SB/05 (08-00)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. IN-0012-1First Named Inventor or Application Identifier Shalon et al.Title Capillary Printing Systems

EL071088646US

Express Mail Label No. EL071088646US

1c996 U.S. PTO
09/819162
03/27/01

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, D. C. 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. X *Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status (see 37 CFR 1.27)
3. X Specification (Total Pages 17)
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
4. X Drawings(s) (35 USC 113) (Total Sheets 9)
5. X Oath or Declaration (Total Pages 2)
 - a. Newly Executed (Original or Copy)
 - b. X Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed)
 - i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76
7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission

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(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ paper
c. ☐ Statement verifying identity of above copies
d. ☐ Request to use CRF from another application

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement (where there is an assignee)
☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ a. Information Disclosure Statement (IDS)/PTO-1449
☐ b. Copies of IDS Citations
13. ☒ Preliminary Amendment (Transmittal)
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Other: _____

17. Priority

This application claims priority to prior application No: 09/150,502

Prior application information: Examiner Ludlow, J. Group Art Unit 1743

The entire disclosure of the prior application, from which an oath or declaration is supplied under 5b, is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. Correspondence Address

☒ Customer Number or Bar Code Label



23379
(Insert Customer No. or Attach Bar Code Label here)

or

PATENT TRADEMARK OFFICE

☒ Correspondence Address Below

NAME Richard Aron Osman

SCIENCE & TECHNOLOGY LAW GROUP

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Name: Richard Aron Osman Registration No: 36,627

Signature: [Signature]

Date: March 27, 2001

FEE TRANSMITTAL FOR FY 2001

Fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$) \$948.00**Complete if Known:**Application No. Not yet assignedFiling Date HerewithFirst Named Inventor Shalon et al.Group Art Unit 1743Examiner Name Ludlow, J.Attorney Docket No. IN-0012-1**METHOD OF PAYMENT (check one)**1. ☒ **The Commissioner is hereby authorized to charge indicated fees to:**☒ **Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 and credit any over payments to:**☐ **Applicant claims small entity status. See 37 CFR 1.27**Deposit Account Number 19-0750Deposit Account Name Science & Technology Law Group2. ☒ **Payment Enclosed**☒ **Check**☐ **Money Order**☐ **Other****FEE CALCULATION****1. BASIC FILING FEE**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
101	710	201	355	Utility application filing fee	<u>710.</u>
106	320	206	160	Design application filing fee	<u> </u>
107	490	207	245	Plant filing fee	<u> </u>
108	710	208	355	Reissue filing fee	<u> </u>
114	150	214	75	Provisional application filing fee	<u> </u>
SUBTOTAL (1)					\$ <u> </u>

2. CLAIMS

		<u>Extra</u>		<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims	<u>31</u>	- 20 =	<u>11</u>	<input checked="" type="checkbox"/> <u>18.</u>	= <u>198.00</u>
Independent Claims	<u>2</u>	- 3 =	<u>0</u>	<input checked="" type="checkbox"/> <u> </u>	= <u>0</u>
Multiple Dependent Claims			<u>0</u>	<input checked="" type="checkbox"/> <u> </u>	= <u>0</u>

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
103	18	203	9	Claims in excess of twenty	<u>198.00</u>
102	80	202	40	Independent claims in excess of 3	<u> </u>
104	270	204	135	Multiple dependent claim	<u> </u>
109	80	209	40	Reissue independent claims over original patent	<u> </u>
110	18	210	9	Reissue claims in excess of 20 and over original patent	<u> </u>
SUBTOTAL (2)					\$ <u>198.00</u>

FEE CALCULATION (continued)

3. ADDITIONAL FEES

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>	<u>Fee Paid</u>
<u>Code</u>	<u>Fee (\$)</u>	<u>Code</u>	<u>Fee (\$)</u>		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	390	216	195	Extension for response within second month	
117	890	217	445	Extension for response within third month	
118	1,390	218	695	Extension for response within fourth month	
128	1,890	228	945	Extension for response within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,240	241	620	Petition to revive unintentionally abandoned application	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(a))	
Other fee (specify) _____					
Other fee (specify) _____					

SUBTOTAL (3) \$ 40.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Richard Aron Osman

Signature 

Date March 27, 2001

Reg. Number 36.627

Deposit Account User ID _____

(complete if applicable)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Shalon et al.

Group Art Unit: 1743

Serial No. Not yet assigned

Examiner: Ludlow, Jan

Filed: Herewith

Attorney Docket No. IN-0012-1

For: *Capillary Printing Systems*

This application claims priority to USSN
09/150,502, filed September 9, 1998.

TRANSMITTAL

The Commissioner for Patents
Washington D.C. 20231

Dear Commissioner,

This is a divisional application of pending Serial No. 09/150,502, filed September 9, 1998 and having the same title and inventors. The specification is identical to that of the priority application except that three minor amendments made to the priority Specification on Aug 10, 2000 have been incorporated, as have a new set of claims. This specification contains no new matter.

The pending claims all require the use of a wire bonding capillary for fluid handling; see original claims 21-33 of the priority application. A wire bonding capillary is a definite term of art; see Specification, p.9, lines 9-16. Wire bonding capillaries are well known in the semiconductor manufacturing art, are the subject of numerous publications and patents (see e.g. US Pat Nos. 3,894,671; 4,877,173; 5,082,154; 5,558,270; 5,662,261) and are commercially available from a number of sources (e.g. Micro-Swiss of Kulicke & Soffa Industries, Inc., Willow Grove PA; Gaiser Tool Company, Ventura, CA; Small Precision Tools, Petaluma, CA, etc.). See also the disclosures and claims of US Pat Nos. 6,158,647; 6,065,663; 6,006,977; 5,996,877; 5,971,248; 5,944,249; 5,934,543; 5,927,587; 5,662,261; 5,559,054; 5,031,821; 4,974,767; 4,911,350; 4,513,190; etc.

The Examiner is invited to call the undersigned if she would like to amend the claims to clarify the foregoing or seeks further clarification of the claim language.

Respectfully submitted,
SCIENCE & TECHNOLOGY LAW GROUP



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